

Technology development on the use of Dimethyl Ether as fuel: a review / Riesta Anggarani, I Made K. Dhiputra, Cahyo S. Wibowo, and Dimitri Rulianto

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Abstrak

ABSTRACT

Researchers have started focusing their research on alternative fuels. During the last two decades, Dimethyl Ether (DME) has emerged as a new potential fuel to substitute for oil and its derivatives. Raw materials for DME from sources such as coal, biomass, natural gas and also crude oil are spread all over the world so the interest is growing for using it as an energy source. While the technology for processing raw materials into DME is well established, the technology for DME applications for a wide range of usages is still being developed. The range of DME usage includes for automotive purposes, in industrial sectors, for household applications, and there is even fundamental research to discover more knowledge about DME safety and another technical considerations. Many research activities are now intensively been used to develop the technology for DME application. Some opportunities for discovering more application are also discussed in this paper.